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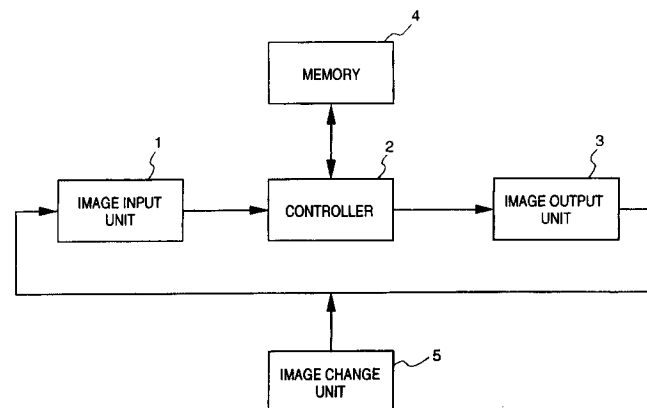
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(54) Pointed-position detecting apparatus and method

(57) A pointed-position detecting apparatus where image output unit visually displays an image, and image input unit inputs the displayed visible image. The input visible image is stored into memory as an original image. The visible image is partially changed by using a manipulation device such as a laser pointer or a pointing rod, and the visible image with the partially-changed area is inputted from the image input unit. Controller

extract the changed image area from the input visible image, and detects a pointed position based on the changed image area. Thus, the phenomenon where a user's action with respect to a displayed image is reflected as a change in the image is utilized to detect coordinates and motion at the image area as the object of change.

FIG. 1





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 95 12 0241

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US-A-5 138 304 (BRONSON BARRY) 11 August 1992 * the whole document * ---	1-27	G06F3/033 G06K11/08
X	EP-A-0 613 079 (ZELTRON SPA) 31 August 1994 * column 2, line 27 * * column 2, line 57 - column 4, line 41 * * figures 1,3-6 * ---	1-27	
X	EP-A-0 535 988 (SIGMAX KK) 7 April 1993 * column 17, line 25 - column 20, line 35 * * figure 3 * -----	1-27	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			G06K
Place of search	Date of completion of the search	Examiner	
THE HAGUE	12 June 1996	Ciarelli, N	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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